



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Patent Application of: )  
J. ESCARY )  
Serial No.: 10/673,886 ) Art Unit: Unassigned  
Filed: September 30, 2003 ) Examiner: Unassigned  
)

For: NEW POLYNUCLEOTIDES AND POLYPEPTIDES OF THE IFN $\alpha$ -21 GENE

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, Applicants respectfully request consideration of the references listed on the attached Form PTO/SB/08A. Copies of the references listed are also enclosed.

Applicants respectfully point out that the submission of the listed documents in this Information Disclosure Statement is not an admission that they are prior art or that they are material to patentability of any claims of the application. Also, the submission of this Information Disclosure Statement is not an indication that a search has been made.

Applicants respectfully request that the Examiner consider the references cited on the Form PTO/SB/08A and that the Examiner indicate that the references have been considered in this application by returning a copy of the Form PTO/SB/08A with the Examiner's initials in the left column per MPEP 609.

PATENT  
Atty. Docket: 60711.000023

This IDS is submitted prior to the issuance of a first Office Action on the merits; therefore, it is believed that no fees are required in connection therewith. If any fees are necessitated by the filing of this Information Disclosure Statement, please charge the undersigned's Deposit Account No. 50-0206.

Respectfully submitted,

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Date: Jan. 13, 2004

  
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JAN 13 2004

PTO/SB/08A (10/01) (modified)

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

Application Number

10/673,886

Filing Date

September 30, 2003

First Named Inventor

J. ESCARY

Art Unit

Unassigned

Examiner Name

Unassigned

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

2

Attorney Docket Number

60711.000023

## U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	DOCUMENT NUMBER Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1.	US-	4801685	01-31-1989	Goeddel et al.	

## FOREIGN PATENT DOCUMENTS

*Examiner Initials	Cite No.	FOREIGN PATENT DOCUMENT		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	TRANSLATION	
		Country Code:	Number - Kind Code (if known)				YES	NO
2.	WO	84/00776		03-01-1984	Innis		<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.	EP	0 173 887 B1		07-29-1987	Teraoka et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.	GB	2 079 291 A		01-20-1982	Goeddel et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.	WO	01/25438 A2		04-04-2001	Heinrichs et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.	WO	00/39280		07-06-2000	Morris et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>

## NON-PATENT LITERATURE DOCUMENTS

*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		
7.		NCBI Sequence Viewer, Homo sapiens interferon, alpha 21 (IFNA21), mRNA, ABSTRACT, 4 pages		
8.		NCBI Sequence Viewer, Homo sapiens clone RP11-1P8, Working Draft Sequence, 15 unordered pieces, 1 page, ABSTRACT		
9.		VELAN, B. et al, Interferon Alpha-A Precursor, Medline, XP-002187983, ABSTRACT, 1 page		

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet 2 of 2

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*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		
10.	DAVID V. GOEDDEL et al., "The structure of eight distinct cloned human leukocyte interferon cDNAs," Nature Vol. 290, March 5, 1981, pp. 20-26			
11.	AXEL ULLRICH et al., "Nucleotide Sequence of a Portion of Human Chromosome 9 Containing a Leukocyte Interferon Gene Cluster," J. Mol. Biol. (1982) 156, pp. 467-486			
12.	H. WEBER et al., "Single amino acid changes that render human IFN- $\alpha$ 2 biologically active on mouse cells," The EMBO Journal, Vol. 6, No. 3, pp. 591-598, 1987			
13.	ANN-CHRISTINE SYVÄNEN et al., "Identification of Individuals by Analysis of Biallelic DNA Markers, Using PCR and Solid-Phase Minisequencing," Am. J. Genet., Vol. 52, pp. 46-59, 1993			
14.	MUSADDEQ HUSSAIN et al., "Identification of Interferon- $\alpha$ 7, - $\alpha$ 14, and - $\alpha$ 21 Variants in the Genome of a Large Human Population," Journal of Interferon And Cytokine Research, Vol. 16, pp. 853-859, (1996)			
15.	ROB L. H. JANSEN et al., "Interleukin-2 and Interferon- $\alpha$ in the Treatment of Patients with Advanced Non-Small-Cell Lung Cancer," Journal Of Immunotherapy, Vol. 12, No. 1, 1992, pp. 70-73			
16.	EIJI MITA et al., "Predicting Interferon Therapy Efficacy from Hepatitis C Virus Genotype and RNA Titer," Digestive Diseases and Science, Vol. 39, No. 5, (May 1994), pp. 977-982			
17.	RYO YAMADA et al., "Identification of 142 single nucleotide polymorphisms in 41 candidate genes for rheumatoid arthritis in the Japanese population," Hum. Genet. (2000), Vol. 106, pp. 293-297			
18.	O. I. OLOPADE et al., "Mapping of the Shortest Region of Overlap of Deletions of the Short Arm of Chromosome 9 Associated with Human Neoplasia," Genomics 14, pp. 437-443 (1992)			
19.	International Search Report dated 6/13/03 for Application No. PCT/EP02/04082			

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